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45. (Amended) The kit of Claim 44 wherein:

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- (a) the means for substantially separating the target polynucleotide from the sample include a first support;
  - (b) the means for amplifying the target polynucleotide include a polymerase;
  - (c) the means for binding that amplified target polynucleotide to a solid [medium] support include a [second support] capture probe which binds to the solid support and to the amplified target polynucleotide; and
  - (d) a detector probe for labeling the amplified target polynucleotide.

Please add new claims 51-54 as follows:

51. The method of Claim 27 further comprising the steps of:

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- (a) contacting the support, probe and bound target with a second medium;
  - (b) releasing the target polynucleotide from the support and probe into the second medium; and
  - (c) substantially separating the support and probe from the medium.

52. The method of Claim 33 further comprising the steps of :

- (a) contacting the support, probe and bound target polynucleotide with a second medium;
- (b) releasing the target polynucleotide from the support and probe into the second medium; and
- (c) substantially separating the support and probe from the medium.

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53. A method for amplifying a target polynucleotide contained in a sample comprising the steps of:

- (a) contacting the sample with reagent comprising a first nucleic acid probe which binds to the target to form a probe-target complex;
- (b) contacting the sample with a support which binds to the first nucleic acid probe of the probe-target complex;

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- (c) substantially separating the support and bound probe-target complex from the sample;
  - (d) contacting the support and bound probe-target complex with a second medium;
  - (e) releasing the probe-target complex into the second medium;
  - (f) substantially separating the support from the second medium; and
  - (g) amplifying the target polynucleotide.

54. A method for detecting a target polynucleotide contained in a sample comprising the steps of:

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- (a) contacting the sample with reagent comprising a first nucleic acid probe which binds to the target to form a probe-target complex;
  - (b) contacting the sample with a support which binds to the first nucleic acid probe of the probe-target complex;
  - (c) substantially separating the support and bound probe-target complex from the sample;
  - (d) contacting the support and bound probe-target complex with a second medium;
  - (e) releasing the probe-target complex into the second medium;
  - (f) substantially separating the support from the second medium;
  - (g) amplifying the target polynucleotide; and
  - (h) detecting the presence of the amplified target polynucleotide.

#### REMARKS

##### Status of the Application:

At present, claims 25-50 are under consideration in the application. All claims stand rejected under 35 USC § 112 and 35 USC § 103 by an office action mailed June 20, 1996.